

Calculation of the Base Sensitivity on an Airmozone

$$BS = \frac{RF.Area}{C.V}$$

Parameter	Unit	Name	Remark
BS	au/ng	Base Sensitivity	BS is used to know the sensitivity of an instrument
RF	None	Response Factor	RF is a constant value, displayed in the substance table, for each chemical compound
Area	au	Area below a peak	Area displayed below each peak on a chromatogram
C	mg/m3	Concentration	
V	mL	Volume sampled through the trap	V is displayed for each chromatogram, in PeakList

Once the BS is calculated, the same formula can be used to calculate the concentrations of the other compounds:

$$C = \frac{RF.Area}{BS.V}$$